Response to Advisory Action Mailed June 29, 2010

Serial No. 10/595,056; Filed January 20, 2006

Inventors: Steffen; Group Art Unit: 1797

Page -2-

In the Claims

- 1. (Previously Presented) An internal vibrator device, comprising:
 - an electric motor,
 - a vibrator housing,
- an imbalance device situated in the vibrator housing and driven by the electric motor so as to be capable of rotation, and
 - a main switch for switching the electric motor on and off,
- the electric motor being capable of being operated, in a normal operating state, with a rotational characteristic suitable for the compacting of liquid concrete, wherein

an operating state change device by which the internal vibrator device is able to be operated in a liberation operating state in which the rotational characteristic of the electric motor differs from the rotational characteristic in the normal operating state, in such a way that via the operating state change device the direction of rotation of the electric motor is capable of being reversed automatically at periodic time intervals.

- 2. (Previously Presented) An internal vibrator device according to Claim 1, wherein, via the operating state change device the direction of rotation of the electric motor is capable of being reversed in relation to the direction of rotation in the normal operating state.
- 3. (Previously Presented) An internal vibrator device according to Claim 1, wherein the operation of the electric motor is capable of being interrupted at periodic time intervals via of the operating state change device.
- 4. (Previously Presented) An internal vibrator device according to Claim 6, wherein the time duration of the periodic time intervals is able to be fixedly predetermined, or is variable.

Response to Advisory Action Mailed June 29, 2010

Serial No. 10/595,056; Filed January 20, 2006

Inventors: Steffen; Group Art Unit: 1797

Page -3-

5. (Previously Presented) An internal vibrator device according to Claim 1, wherein the

rotational speed of the electric motor is capable of being modified or is capable of being

controlled by means of the operating state change device.

6. (Previously Presented) An internal vibrator device according to Claim 1, wherein the

vibrator housing, the electric motor, and the imbalance device are combined to form a vibrator

device, the vibrator device being capable of being made to pass through its natural frequency

through a modification of the rotational speed of the electric motor.

7-14. (Cancelled)

15. (Previously Presented) An internal vibrator device according to Claim 1, wherein the

operating state change device further comprises an automatic operation switch that switches the

operating state change device off and on.

16. (Previously Presented) An internal vibrator device according to Claim 1, wherein the

operating state change device further comprises a period duration selection switch that sets the

duration of the periodic time intervals.

17. (Previously Presented) An internal vibrator device, comprising:

- an electric motor,
- a vibrator housing,

- an imbalance device that is situated in the vibrator housing and that is driven to rotate

by the electric motor, and

- an operating state change device that is connected to the electric motor and that

automatically reverses the direction of the electric motor at periodic time intervals to operate the

internal vibrator device in a liberation operating state in which the rotational characteristic of the

imbalance device differs from the rotational characteristic in a normal operating state, the

operating state change device including

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Response to Advisory Action Mailed June 29, 2010

Serial No. 10/595,056; Filed January 20, 2006 Inventors: Steffen; Group Art Unit: 1797

Page -4-

a main switch for switching the electric motor on and off, the electric motor normally operating in the normal operating state to drive the imbalance device with a rotational characteristic suitable for compacting liquid concrete, and
an automatic operation switch that switches the operating state change

device off and on.

18. (Previously Presented) An internal vibrator device according to Claim 17, wherein the operating state change device further comprises a period duration selection switch that sets the duration of the periodic time intervals.

19 (Previously Presented) An internal vibrator device according to Claim 17, wherein the operating state change device further comprises a reverse switch that reverses the direction of the electric motor when the electric motor is operating in the normal operating state.

20-22. (Cancelled)